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PATENT

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Jennifer Lin

Date: 4/28/97

Commissioner of Patents and Trademarks
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NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of:

Inventor(s): **David Yinkai CHAO**For: **Eyeglass Combination Having Auxiliary Frame**

Enclosed are:

- ☒ Specification, Claims and Abstract (11pages)
- ☒ Drawings (1 sheets) - [x] formal [] informal
- ☒ Combined Declaration and Power of Attorney (1 page)
- ☒ Information Disclosure Statement (37 CFR 1.98) (2 pages)
- ☒ Art Cited by Applicant (Form PTO-1449)
- ☒ Cited References (5 pages)
- ☒ Assignment of Invention to CONTOUR OPTIK INC . (1 page)
- ☒ Assignment Recordation Cover Sheet (in duplicate)
- ☒ A check (check no. 120) in the amount of \$40 for recordation of the assignment
- ☒ A verified statement to establish small entity status under 37 CFR 1.9 and CFR 1.27
- ☒ A check (check no. 121) in the amount of \$385 to cover the filing fee, calculated as shown below.

	No. Filed	Less No. Paid by Basic Fee	No. Extra	Small Entity Fee
Basic Fee				\$385
Total Claims	9	20	0	x11 = 0
Indep. Claims	3	3	0	x40 = 0
First Presentation of Multiple Dependent Claims, if applicable				+130 = 0
Total:				\$385

Respectfully submitted,

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Dated: April 28, 1997

TITLE: EYEGLASS COMBINATION HAVING AUXILIARY FRAME

BACKGROUND OF THE INVENTION

1. Field of the Invention

05 The present invention relates to a pair of eyeglasses, and more particularly to a pair of eyeglasses having an auxiliary frame for supporting auxiliary lenses.

2. Description of the Prior Art

10 The closest prior art of which applicant is aware is US Patent 5,568,207 to Chao and has been assigned to the present assignee. The primary frame are required to be engaged with magnets for actuating with the magnets engaged in the auxiliary frame, such that the auxiliary frame may not be attached to typical spectacle frame
15 having no magnets therein.

The present invention has arisen to mitigate and/or obviate the afore-described disadvantages of the conventional auxiliary spectacle frames.

SUMMARY OF THE INVENTION

20 The primary objective of the present invention is to provide an auxiliary frame for attaching typical spectacle frame having no magnets therein.

The other objective of the present invention is to provide a primary frame and an auxiliary frame having
25 magnets disposed laterally.

In accordance with one aspect of the invention, there is provided an eyeglass combination comprising a

primary frame including a first bridge and including
two sides each having a stud, and an auxiliary frame
for disposing in front of the primary frame, the
auxiliary frame including a second bridge and including
05 two sides each having an extension extended rearward
toward the primary frame and extended over the studs,
the extensions each including a rear end having a first
flange extended downward for engaging with the stud and
for securing the auxiliary frame to the primary frame.

10 The studs of the primary frame are made of
magnetic material, the first flanges each includes a
magnet for engaging with the studs of magnetic material
and for securing the auxiliary frame to the primary
frame.

15 The studs of the primary frame each includes a
first magnet, the first flanges each includes a second
magnet for engaging with the first magnet of the stud
and for securing the auxiliary frame to the primary
frame.

20 The first and the second magnets each includes a
first pole and a second pole disposed in front of the
first pole.

The second bridge includes an arm extended over
the first bridge of the primary frame, the arm includes
25 a rear end having a second flange extended downward for
engaging with the first bridge and for securing the
auxiliary frame to the primary frame.

05 The first bridge of the primary frame includes a first magnet, the second flange includes a second magnet for engaging with the first magnet of the first bridge and for securing the auxiliary frame to the primary frame.

10 In accordance with another aspect of the invention, there is provided an eyeglass combination comprising a primary frame including a first bridge, the first bridge including a first magnet, and an auxiliary frame for disposing in front of the primary frame, the auxiliary frame including a second bridge having an arm extended rearward toward the primary frame and extended over the first bridge, the arm including a rear end having a flange extended downward
15 for engaging with the first bridge and for securing the auxiliary frame to the primary frame, the flange including a second magnet for engaging with the first magnet and for securing the auxiliary frame to the primary frame.

20 In accordance with the other aspect of the invention, there is provided an eyeglass combination comprising a primary frame including a first bridge and including two sides each having a stud, and an auxiliary frame for disposing in front of the primary
25 frame, the auxiliary frame including a second bridge and including two sides each having an extension extended rearward toward the primary frame and extended

over the studs, the second bridge including an arm
extended rearward, the extensions and the arm each
including a rear end having a flange extended downward
for engaging with the stud and the first bridge and for
05 securing the auxiliary frame to the primary frame.

The studs and the first bridge of the primary
frame are made of magnetic material, the flanges each
includes a magnet for engaging with the studs and the
first bridge of magnetic material and for securing the
10 auxiliary frame to the primary frame.

Further objectives and advantages of the present
invention will become apparent from a careful reading
of a detailed description provided hereinbelow, with
appropriate reference to accompanying drawings.

15 BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is an exploded view of an eyeglass
combination having an auxiliary frame in accordance
with the present invention;

FIG. 2 is a perspective view of the eyeglass
20 combination; and

FIG. 3 is a cross sectional view taken along lines
3-3 of FIG. 2.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring to the drawings, and initially to FIGS.
25 1 and 2, an eyeglass combination in accordance with the
present invention comprises a primary frame 10 for
supporting primary lenses 90 and including a bridge 11

formed in the middle and including two studs 12 formed
in the side portions. The bridge 11 and the studs 12
each includes a magnet 14 disposed laterally having a
pole (such as S as shown in FIG. 3) arranged in front
05 of the other (N in FIG. 3).

An auxiliary frame 20 for supporting auxiliary
lenses 91 and for disposing in front of the primary
frame includes a bridge 21 and two extensions 22
disposed in the side portions and extended rearward for
10 engaging over the bridge 11 and the studs 12 of the
primary frame 10 respectively. The bridge 21 includes
an arm 24 extended rearward. The extensions 22 and the
arm 24 each includes a rear end having a flange 23, 25
dependent downward. The flanges 23, 25 each includes a
15 magnet 26 disposed laterally having a pole (S in FIG.
3) arranged in front of the other (N in FIG. 3) for
allowing the S pole to engage with the N pole of the
magnet 14 of the primary frame 10.

It is to be noted that the flanges 23, 25 of the
20 extensions 22 and of the arm 24 are extended downward
for engaging with the studs 12 and the bridge 11 such
that the flanges 23, 25 themselves form a hook means
for securing the auxiliary frame 20 to the primary
frame 10. In addition, the magnets 14, 26 are disposed
25 laterally such that the flanges 23, 25 may further be
stably and solidly attracted and retained in place.

It is further to be noted that the flanges 23, 25

may also be used to hook to the typical eyeglasses having no magnets engaged therein, such that the auxiliary frame 20 may be attached to any of the typical eyeglasses. Particularly, when the typical
05 eyeglasses are made of metal or other magnetic materials, the magnets 26 of the auxiliary frame 20 may also be used for attracting the typical eyeglasses and may also be used for solidly securing the auxiliary frame to the typical eyeglasses.

10 It is also to be noted that with only the arm 24 and the magnet 26 therein, the auxiliary frame 20 may also be solidly secured to the primary frame 10. Without the arm 24 and without the magnets 26, the auxiliary frame 20 may also be secured to the primary
15 frame 10 by engaging the flanges 23 with the studs 12. The provision of the magnets 26 and 14 may further solidly secure the auxiliary frame 20 to the primary frame 10.

Accordingly, the eyeglass combination in
20 accordance with the present invention includes an auxiliary frame having a pair of extensions and/or an arm for engaging with the studs and/or the bridge of the primary frame, for allowing the auxiliary frame to be secured to various kinds of eyeglasses having no
25 magnets therein. In addition, the provision of the flanges 23, 25 may also be used for solidly securing the auxiliary frame to the primary frame 10.

Although this invention has been described with a certain degree of particularity, it is to be understood that the present disclosure has been made by way of example only and that numerous changes in the detailed construction and the combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as hereinafter claimed.

I CLAIM:

1. An eyeglass combination comprising:

a primary frame including a first bridge and including two sides each having a stud, and

an auxiliary frame for disposing in front of said
05 primary frame, said auxiliary frame including a second
bridge and including two sides each having an extension
extended rearward toward said primary frame and
extended over said studs, said extensions each
including a rear end having a first flange extended
10 downward for engaging with said stud and for securing
said auxiliary frame to said primary frame.

2. An eyeglass combination according to claim 1,
wherein said studs of said primary frame are made of
magnetic material, said first flanges each includes a
magnet for engaging with said studs of magnetic
05 material and for securing said auxiliary frame to said
primary frame.

3. An eyeglass combination according to claim 1,
wherein said studs of said primary frame each includes
a first magnet, said first flanges each includes a
second magnet for engaging with said first magnet of
05 said stud and for securing said auxiliary frame to said
primary frame.

4. An eyeglass combination according to claim 3,
wherein said first and said second magnets each
includes a first pole and a second pole disposed in

04 front of said first pole.

5. An eyeglass combination according to claim 1,
wherein said second bridge includes an arm extended
over said first bridge of said primary frame, said arm
includes a rear end having a second flange extended
05 downward for engaging with said first bridge and for
securing said auxiliary frame to said primary frame.

6. An eyeglass combination according to claim 5,
wherein said first bridge of said primary frame
includes a first magnet, said second flange includes a
second magnet for engaging with said first magnet of
05 said first bridge and for securing said auxiliary frame
to said primary frame.

7. An eyeglass combination comprising:

a primary frame including a first bridge, said
first bridge including a first magnet, and

an auxiliary frame for disposing in front of said
05 primary frame, said auxiliary frame including a second
bridge having an arm extended rearward toward said
primary frame and extended over said first bridge, said
arm including a rear end having a flange extended
downward for engaging with said first bridge and for
10 securing said auxiliary frame to said primary frame,
said flange including a second magnet for engaging with
said first magnet and for securing said auxiliary frame
to said primary frame.

8. An eyeglass combination comprising:

a primary frame including a first bridge and including two sides each having a stud, and

an auxiliary frame for disposing in front of said
05 primary frame, said auxiliary frame including a second
bridge and including two sides each having an extension
extended rearward toward said primary frame and
extended over said studs, said second bridge including
an arm extended rearward, said extensions and said arm
10 each including a rear end having a flange extended
downward for engaging with said stud and said first
bridge and for securing said auxiliary frame to said
primary frame.

9. An eyeglass combination according to claim 8,
wherein said studs and said first bridge of said
primary frame are made of magnetic material, said
flanges each includes a magnet for engaging with said
05 studs and said first bridge of magnetic material and
for securing said auxiliary frame to said primary
frame.

ABSTRACT OF THE DISCLOSURE

An eyeglass combination includes a primary frame having a bridge and two side studs. An auxiliary frame includes a bridge and two side extensions each having a rear flange for engaging with the stud and for allowing the auxiliary frame to be secured to typical primary frame. The rear flanges each includes a magnet for engaging with another magnet engaged in the studs or for engaging with the studs of magnetic material. The magnets are preferably disposed laterally.

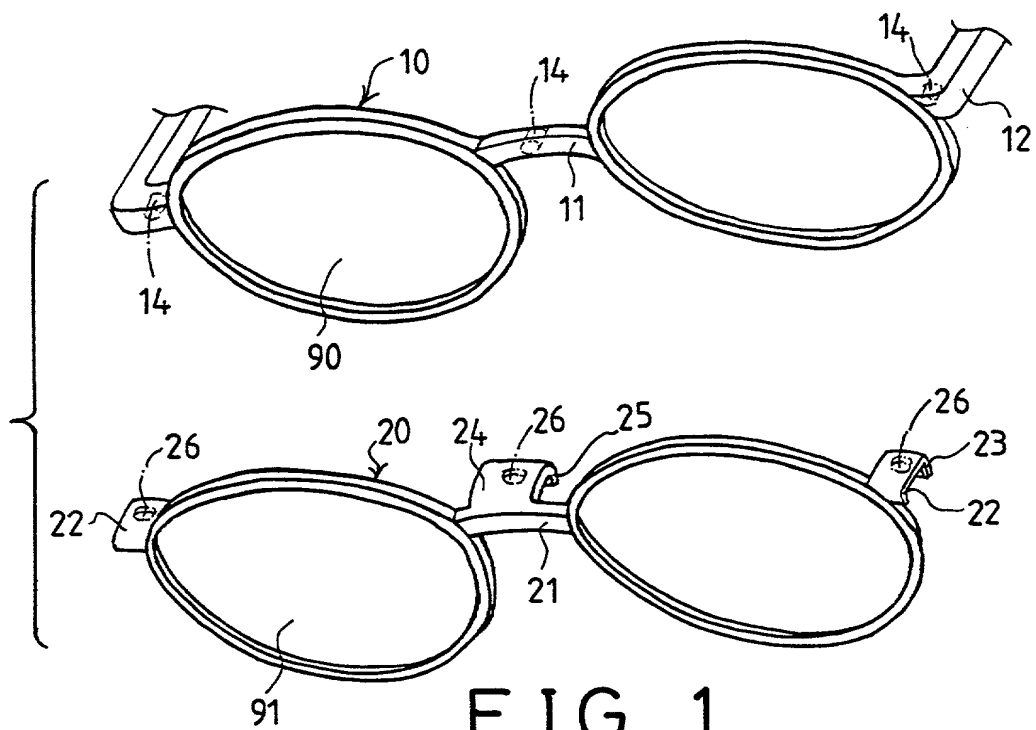


FIG. 1

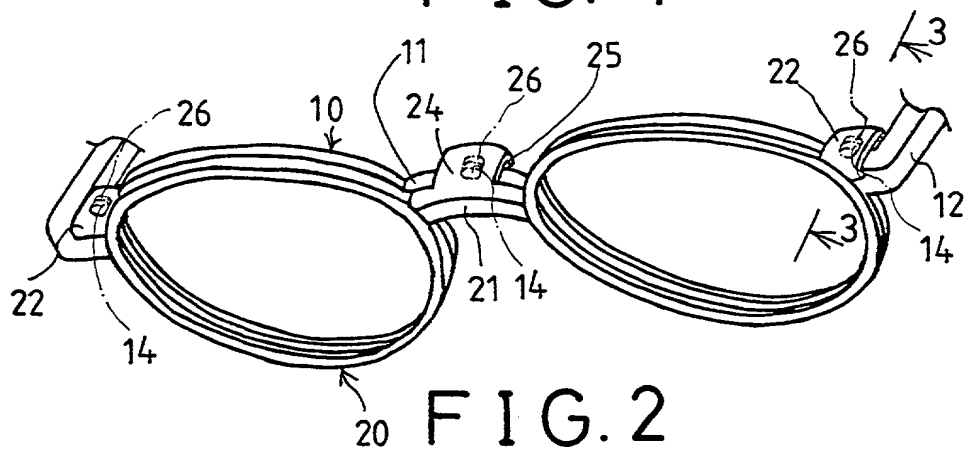


FIG. 2

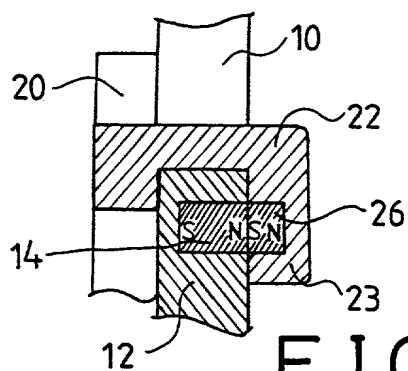


FIG. 3

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

EYEGLASS COMBINATION HAVING AUXILIARY FRAMEthe specification of which (check one)
☒ is attached hereto☐ was filed on _____
as U. S. Application
Serial No. _____
and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefit(s) under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	Day/Month/Year Filed	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	Day/Month/Year Filed	Yes	No
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	Day/Month/Year Filed	Yes	No
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37 Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
_____	_____	_____

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorneys and agent:

RAYMOND KAM-ON KWONG, ESQ. PTO REG# 37,165;

transact all business in the Patent and Trademark Office connected therewith. to prosecute this application and

Send correspondence to: RAYMOND KAM-ON KWONG
1062 Oakridge Drive
Fremont, CA 94539Direct telephone calls to:
(510) 659-9083

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor David Yinkai CHAOInventor's Signature [Signature] Date April 12, 1997Residence 1120 Green Acre Road, Towson, MD 21204 U.S.A.Post Office Address No. 43-4, Yi Hsin Tsuen, Shui San Hsiang, Chia Yi Hsien,
Taiwan Citizenship U.S.A.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant or Patentee: CONTOUR OPTIK INC. MK1718WWD
 Serial or Patent No.: _____ Attorney's
 Filed or Issued: _____ Docket No.: _____
 For: EYEGLASS COMBINATION HAVING AUXILIARY FRAME

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
 (37 CFR 1.9(f) and 1.27(c)) - SMALL BUSINESS CONCERN

I hereby declare that I am

- ☐ the owner of the small business concern identified below:
☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF CONCERN CONTOUR OPTIK INC.
 ADDRESS OF CONCERN No. 43-4, Yi Hsin Tsuen, Shui San Hsiang,
Chia Yi Hsien, Taiwan

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under §41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year; and concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the above entitled invention described in

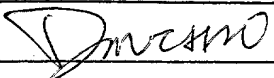
- ☒ the specification filed herewith
☐ application serial no. _____, filed _____
☐ patent no. _____, issued _____

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed in the ☐ Appendix hereto, and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING David Yinkai CHAO
 TITLE OF PERSON OTHER THAN OWNER sales manager
 ADDRESS OF PERSON SIGNING No. 43-4, Yi Hsin Tsuen, Shui San Hsiang,
Chia Yi Hsien, Taiwan

SIGNATURE  DATE April 12, 1997